



EXPRESS MAIL CERTIFICATE

Date 11/5/03 Label No. EL98210444US

I hereby certify that, on the date indicated above, this paper or fee was deposited with the U.S. Postal Service & that it was addressed for delivery to the Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450 by "Express Mail Post Office to Addressee" service.

Name (Print) Patricia Campbell Signature Patricia Campbell

PLEASE CHARGE ANY DEFICIENCY UP TO \$300.00 OR CREDIT ANY EXCESS IN THE FEES DUE WITH THIS DOCUMENT TO OUR DEPOSIT ACCOUNT NO. 04-0100

Customer No.: 29311

Docket No: 02427/100G685-US1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Patrick F. Kelly; Elio F. Vanin

Serial No.: 09/801,302

Art Unit: 1636

Filed: March 7, 2001

Examiner: Celine X. Qian, Ph.D.

Confirmation No.: 2679

For: HIGHLY EFFICIENT GENE TRANSFER INTO HUMAN REPOPULATION STEM CELLS BY RD114 PSEUDOTYPED RETROVIRAL VECTOR PARTICLES

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AMENDMENT AND RESPONSE TO THE FINAL OFFICE ACTION  
AND ADVISORY ACTION

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Final Office Action mailed on May 7, 2003 and Advisory Action mailed on September 23, 2003, please consider the following amendments and remarks.

Serial No. 09/801,302

Docket No. 02427/100G685-US1

Response to the Final Office Action dated May 7, 2003

{W:\02427\100G685-US1\00082560.DOC \*02427100G685-US1\* }

Amendments to the claims are reflected in the listing of claims which begins on page 3 of this paper. Remarks begin on page 7 of this paper. Submitted simultaneously herewith is a Request for Continued Examination and Petition for THREE (3) MONTHS Extension of Time with the required fees.

Serial No. 09/801,302

Docket No. 02427/100G685-US1

Response to the Final Office Action dated May 7, 2003

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## AMENDMENT TRANSMITTAL LETTER

Docket No.  
02427/100G685-US1Application No.  
09/801,302Filing Date  
March 7, 2001Examiner  
Celine X. QianArt Unit  
1633

Applicant(s): Patrick F. Kelly, et al.

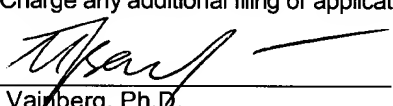
Invention: RETROVIRAL VECTOR FOR HIGH EFFICIENCY TRANSDUCTION OF HEMATOPOIETIC STEM CELLS

## TO THE COMMISSIONER FOR PATENTS

Transmitted herewith is an amendment in the above-identified application.

The fee has been calculated and is transmitted as shown below.

CLAIMS AS AMENDED					
	Claims Remaining After Amendment	Highest Number Previously Paid	Number Extra Claims Present	Rate	
Total Claims	20	- 30 =		x	
Independent Claims	2	- 4 =		x	
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					
Other fee (please specify):					
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT:					0.00

☐ Large Entity☒ Small Entity☒ No additional fee is required for this amendment.☐ Please charge Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_.  
A duplicate copy of this sheet is enclosed.☐ A check in the amount of \$ \_\_\_\_\_ to cover the filing fee is enclosed.☐ Payment by credit card. Form PTO-2038 is attached.☒ The Director is hereby authorized to charge and credit Deposit Account No. 04-0100  
as described below. A duplicate copy of this sheet is enclosed.☒ Credit any overpayment.☒ Charge any additional filing or application processing fees required under 37 CFR 1.16 and 1.17.  
Irina E. Vainberg, Ph.D.  
Attorney Reg. No.: 48,008Dated: November 5, 2003DARBY & DARBY P.C.  
P.O. Box 5257  
New York, New York 10150-5257  
(212) 527-7634

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Dated:

11/5/03